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DIALOG(R) File 351:Derwent  
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002247167

WPI Acc No: 1979-46363B/197925

Odourising agent for fuel gas - contains cyclohexene as essential component, giving improved detectability at low concns.

Patent Assignee: SODA PERFUME CO LTD (SOSH )

Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No    | Kind | Date     | Applicat No | Kind | Date | Week     |
|--------------|------|----------|-------------|------|------|----------|
| JP 54058701  | A    | 19790511 |             |      |      | 197925 B |
| /JP 83042235 | B    | 19830917 |             |      |      | 198341   |

Priority Applications (No Type Date): JP 77125420 A 19771019

Abstract (Basic): JP 54058701 A

Odourising agent contains cyclohexene (I) as an essential component. (I) is perceptible at low concn., i.e. 30-40 gamma/m<sup>3</sup>. The perceptible concn. of conventional odourising agents (e.g., mercaptans, sulphides) is about 60 gamma/m<sup>3</sup>. (I) becomes more perceptible on combined use with mercaptans and/or sulphides (e.g. 10 gamma/m<sup>3</sup>). (I) has low water solubility, and is hardly adsorbed by soil and iron rust. It does not corrode metals and does not swell rubber and packing material and is harmless. (I) is suitable for odourisation of town gas, natural gas and LPG.

Specifically, the perceptibility fo cyclohexene is increased by combined use with 0.1-10% of mercaptan and/or sulphide e.g. ethylmercaptan, isopropylmercaptan, tertbutylmercaptan, dimethylsulphide, methyl-ethyl-sulphide or methyl-aryl-sulphide.

Title Terms: ODOUR; AGENT; FUEL; GAS; CONTAIN; CYCLOHEXENE; ESSENTIAL; COMPONENT; IMPROVE; DETECT; LOW; CONCENTRATE

Derwent Class: E15; E19; H06

International Patent Class (Additional): C10L-003/00

File Segment: CPI

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